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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	87552.99R091/SE1395PD
		First Named Inventor	Malcolm R. Schuler, et al.
COMPLETE IF KNOWN			
		Application Number	09 / 344,867
		Filing Date	Herewith
		Group Art Unit	Unknown
		Examiner Name	Unknown

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A MULTIPLE
PASS CONFIGURATION**

the specification of which *(Title of the Invention)* is attached hereto

OR

 was filed on (MM/DD/YYYY) as United States Application Number or PCT InternationalApplication Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above:

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application	Foreign Filing Date	Priority	Certified Copy Attached? YES NO
None		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	
None		<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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DECLARATION ---- Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transmit all business in the Patent and Trademark Office connected therewith: Customer Number → Place Customer Number Bar Code Label here

OR Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number
Thomas R. FitzGerald	26,730	Lee J. Fleckenstein	36,136
Rinaldo Del Gallo III	42,474	Ronald S. Kareken	20,573
John DeAngelis	30,622	Harry M. Fleck	24,704
Leslie J. Hart	26,462	Frederick R. Jorgenson	38,196

Additional registered practitioner(s) named on supplemental Registered Practitioner information sheet PTO/SB/02C attached hereto.

Direct all correspondence Customer Number or Bar OR Correspondence address below

Name	Thomas R. FitzGerald				
Address	Jaeckle Fleischmann & Mugel, LLP				
Address	39 State Street				
City	Rochester	State	NY	ZIP	14614-1310
Country	USA	Telephon	(716) 262-3640	Fax	(716) 262-4133

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

A petition has been filed for this unsigned inventor

Name of Sole or First Inventor:

Given Name (first and middle [if any])	Family Name or Surname						
Malcolm R.	Schuler						
Inventor's	<i>Malcolm R. Schuler</i>					Date	8/23/97
Residence: City	Mountaintop	State	PA	Country	USA	Citizenship	USA
Post Office Address	85 Karin Drive						
Post Office Address							
City	Mountain	State	PA	ZIP	18707-9572	Country	USA

Additional inventors are being named on the 3 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached

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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 2

Name of Additional Joint Inventor, if any:

 A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

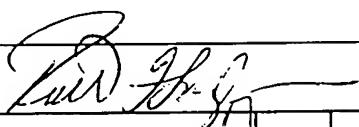
Family Name or Surname

Robert F.

Longenberger

8/23/99
Date

Inventor's



Residence: City

Shickshinny

State

PA

Country

USA

Citizenship

USA

Post Office Address

RR1, Box 105BB

Post Office Address

City

Shickshinny

State

PA

ZIP

18655

Country

USA

Name of Additional Joint Inventor, if any:

 A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Rodney S.

Ridley

8/23/99
Date

Inventor's



Residence: City

Mountaintop

State

PA

Country

USA

Citizenship

USA

Post Office Address

6 Autumn Drive

Post Office Address

City

Mountaintop

State

PA

ZIP

18707

Country

USA

Name of Additional Joint Inventor, if any:

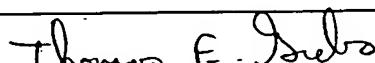
 A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Thomas E.

Grebs

8/23/99
DateInventor's
Signature

Residence: City

Mountaintop

State

PA

Country

USA

Citizenship

USA

Post Office Address

28 Woodbrook Way

Post Office Address

City

Mountaintop

State

PA

ZIP

18707

Country

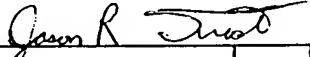
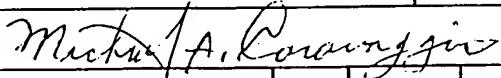
USA

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DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 2 of 2

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Jason R.				Trost			
Inventor's							<u>8/30/99</u> Date
Residence: City	Drums	State	PA	Country	USA	Citizenship	USA
Post Office Address	188 Debbie Drive						
Post Office Address							
City	Drums	State	PA	ZIP	18222	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Raymond J.				Webb			
Inventor's							<u>8/24/99</u> Date
Residence: City	Mountaintop	State	PA	Country	USA	Citizenship	USA
Post Office Address	18 Park Lane North						
Post Office Address							
City	Mountaintop	State	PA	ZIP	18707	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Michael A.				Caravaggio			
Inventor's Signature							<u>8/24/99</u> Date
Residence: City	Mountaintop	State	PA	Country	USA	Citizenship	USA
Post Office Address	244 St. Mary's Road						
Post Office Address							
City	Mountaintop	State	PA	ZIP	18707	Country	USA

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>3</u> of <u>3</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Terry L.		Fenstermacher					
Inventor's	<i>Terry L. Fenstermacher</i>			<i>5/23/1998</i>			Date
Residence: City	Nescopeck	State	PA	Country	USA	Citizenship	USA
Post Office Address	P.O. Box 301						
Post Office Address							
City	Nescopeck	State	PA	ZIP	18635	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's							Date
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature							Date
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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Please type a plus sign (+) inside this —

PTO/SB/02C (3-97)
Approved for use through 9/30/98. OMB 0651-0032

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DECLARATION

REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Bidyut Niyogi	27,071	Ferdinand M. Romano	32,752
Joel I. Rosenblatt	26,025		

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INTERSIL CORPORATION
Assignment

As a below named inventor or joint inventor of an invention or improvement entitled:

**POTTED TRANSDUCER ARRAY WITH MATCHING NETWORK IN A
MULTIPLE PASS CONFIGURATION**

for which I have executed an application for Letters Patent of the United States of America, on August 23, 1999, Serial No. 09/344,867, filed June 28, 1999.

WHEREAS, INTERSIL CORPORATION, a corporation organized and existing under the laws of the State of Delaware, having its principal office and place of business in the City of Melbourne, State of Florida, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

WHEREAS, I am an employee of Intersil and was an employee of Intersil when I signed a prior assignment to Harris Corporation.

WHEREAS, I understand such prior assignment to Harris Corporation was a mistake and a new assignment is required by Intersil Corporation.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer and set over, unto said INTERSIL CORPORATION, its successors, legal representatives, and assigns, my entire right, title and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuation applications thereof, and all Letters Patent of the United States of America which may be granted thereof and all reissues and extensions hereof, and all applications for Letters Patents which may be filed for said invention in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said INTERSIL CORPORATION, its successors, legal representatives, and assigns, in accordance with the terms of this instrument.

And I hereby covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

And I hereby further covenant and agree that I will communicate to said INTERSIL CORPORATION, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said INTERSIL CORPORATION, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

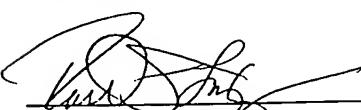
IN TESTIMONY WHEREOF, I authorize and affirm said assignments with the signatures set forth below on the indicated date(s).

Inventors:

Malcolm R. Schuler

Malcolm R. Schuler

Date: 10/19/, 1999



Robert F. Longenberger

Date: October 19, 1999

Rodney S. Ridley

Rodney S. Ridley

Date: 10/19, 1999

Thomas E. Grebs

Thomas E. Grebs

Date: 10/19, 1999

Jason R. Trost

Jason R. Trost

Date: 10/20, 1999

Raymond J. Webb

Raymond J. Webb

Date: 10/19, 1999

Michael A. Caravaggio

Michael A. Caravaggio

Date: 10/19, 1999

Terry L. Fenstermacher

Terry L. Fenstermacher

Date: 10/22, 1999